|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **C.P.** (number of electron pairs) | **L.P.** (number of lone pairs on central atom) |  | **linearM.G**. (molecular geometry) and picture |  | **Usual**  **Polarity** |
| 2 | 0 |  | **Linear**  trigonal planar |  | nonpolar |
| 3 | 0 |  | **angularTrigonal Planar** |  | nonpolar |
| 3 | 1 |  | Angular (bent)  tetrahedral |  | polar |
| 4 | 0 |  | **Tetrahedral**  trigonal pyramidal |  | nonpolar |
| 4 | 1 |  | TrigonalPyramidal  angular2 |  | polar |
| 4 | 2 |  | Angular (bent)  trigonal bipyramidal |  | polar |
| 5 | 0 |  | irregular tetrahedralTrigonal Bipyramidal |  | nonpolar |
| 5 | 1 |  | Irregular Tetrahedral |  | polar |
| 5 | 2 |  | T-shapedT-Shaped  linear2 |  | polar |
| 5 | 3 |  | Linear |  | polar |
| 6 | 0 |  | octahedralOctahedral  square pyramidal |  | nonpolar |
| 6 | 1 |  | Square Pyramidal  square planar |  | polar |
| 6 | 2 |  | Square Planar |  | nonpolar |